

# **Information and Communication Technology (ICT)**

**Fourth Grade**

**First term 2022/2023**



**Them 1**

**The role of ICT in our lives**

**Name/**

**Class/**

## Lesson 1:- Explorer in Action

### 1-Choose the correct answer from the following options:-

1-your friend sent an email containing his address, this means that he used...

A-Ground penetrating radar      b-Magnetometer      c- GPS

2-A device that detects what is underground.....

A- Magnetometer      b-global positioning      c- Penetrating radar

3- A device that detects metallic bridges underground

A- Magnetometer      b-global positioning      c- Penetrating radar

4-To send a message to someone who isn't close to you, taking care not to share your personal number, you must use .....

A-Regular mail message      b-Text message      c-Voice message      d-Email

### 2- Put (✓) or (×):-

1-The global positioning System (GPS) is used to explore underground minerals (    )

2-The engineers relied on the magnetometer to locate the construction sites (    )

3- Ground penetrating radar is used to detect objects buried underground (    )

4-The tourist doesn't depend on the penetrating radar to locate the different places (    )

5-The goal of adding the global positioning System (GPS) to all smart phones is to detect the locations of antiquities (    )

### 3-Complete the following statements:-

1-The Global positioning System (GPS) is denoted by.....

2-.....helped to explore everything that is new and beneficial to science and society.

3-.....uses satellites to communicate and locate objects.



## Lesson 2: The evolution of technology

### 1- Put (✓) or (×):-

- 1-The era of the mechanical revolution is the era in which electricity appeared (     )
- 2-Technology devices in our time are one of the reasons for the transmission of information (     )
- 3-The Pascaline machine is one of the most widely used machines in our time
- 4-The discovery of letters and numbers helped bring information to the modern age (     )
- 5-The information age extends to our present age (     )

### 2-Complete the following statements:-

- 1-The first version of a calculator is a.....
- 2-The first device that was discovered in the era of the electrical revolution is.....
- 3-The era in which electricity first appeared is the era of.....
- 4-One of the means that enables you to message your friends around the world is.....

### 3-Choose the correct answer:-

- 1-.....is used in the modern era as a means of communication  
(Paper letters – E-mail – Pascaline )
- 2-It was discovered in the era of the electronic revolution  
(Satellite – Printer – digital counter – calculator)

## **Lesson 3: Components of computer systems**

### **1-Choose the correct answer:-**

**1-Allows to enter sounds to the computer and record words**

**(Printer – monitor – microphone – speakers)**

**2-A device that allows non-native speakers to speak**

**(Speech synthesizer –loudspeakers –display screen –scanner)**

**3-Used to direct objects by selecting, dragging or inserting**

**(Printer – microphone – scanner -mouse)**

**4-All of the following are components of input units, except**

**(Touch screen – mouse – scanner – display)**

### **2- Put (√) or (×):-**

**1-The computer converts information into data ( )**

**2-A laptop is larger in size than a personal computer ( )**

**3-The microphone is an input device ( )**

### **3-What is the function of each component of the computer?**

<b>Components</b>	<b>Function</b>
	<b>Allow interaction with, and selection of information</b>
	<b>Displays visual data :texts ,images, and videos</b>
	<b>Allows input of images</b>
	<b>Allows input of Text</b>
	<b>Allows input of text and images from paper</b>
	<b>Allows input of text and images on paper</b>
	<b>Allows input of audio</b>
	<b>Allows output of audio</b>



## **Lesson 4: Software and operating systems**

### **1- Put (✓) or (×):-**

**1-The operating system isn't necessary for the operation of the computer (    )**

**2-Presentation program helps to display information (    )**

**3-Software whose function is to control the processed data so that the user can take it out (    )**

**4-The keyboard and screen are among the devices responsible for operating the computer (    )**

**5-The data processing unit (CPU) that controls the sending of commands to the operating (    )**

### **2- Complete :-**

**(PowerPoint –word – CPU –Software –Browser –Operating system)**

**1-.....help the user in carrying out their own tasks such as creating a presentation or creating a report**

**2-.....it is primarily responsible for how orders are executed and to ensure that the user reaches what was initially ordered.**

**3-.....it is a program that helps to display information and add text, images and graphics**

**4-.....it is one of the portals to enter the world of the internet and websites**

## **Lesson 5: Supporting people of determination**

### **1-choose the correct answer from the following tests:-**

**1-Converting letters into prominent symbols and allowing them to be read by touch**

**(Braille method – Screen reader – motorized chairs – earphones)**

**2-It helps people of determination to move.....**

**(Earbuds –prosthetic –devices –amplifiers –alternative sports – equipment)**

**3-.....programs help visually impaired people to interact with the computer**

**(Screen amplifiers – earphones – microphone –motorized chairs)**

**4-.....help people of determination to communicate verbally and linguistically with others**

**(Screen magnifiers – alternative communication software – elevators – Braille)**

**5-Tricycles that help people of determination**

**(Earbus – Braille – screen amplifiers –sports equipment)**

### **2- Put (√) or (×):-**

**1-Archaeologist Albert lin lost his leg and relied on earphones to perform his duties ( )**

**2-The use of assistive technology makes it difficult for users to perform their daily tasks ( )**

**3-Screen magnification software is used to help people who have lost a limb ( )**

**4-People of determination are the only ones who benefit from assistive technology ( )**



## Lesson 6: Common ICT problems and solution

### 1- Put (✓) or (×):-

- 1-It is impossible for any computer to malfunction (     )
- 2-The first thing you do when you have a problem with your computer is to call an older person (     )
- 3-Press Del+Alt+Ctrl if the mouse is not activated (     )
- 4-Restarting the device helps to solve most of the problems (     )
- 5-In the event that an application does not open from the first attempt, it is preferable to delete it from the device first, and then reinstall it (     )

### 1-choose the correct answer from the following tests:-

1-An important choice that should be made after repairing or reinstalling the mouse in the device, is.....

- A-Delete an application from the device      b-Reboot the device again  
C-Connect the power charger to the device      d-Check the electrical connections

2-when you are unable to solve some of the problems that you may encounter, you should do.....

- A-Leave the problem standing and stay away from it  
B-Delete some documents from your computer  
C-Disconnect the connections for the keyboard  
d-Ask your teacher or a family member

3-The command responsible for closing PC or mobile application is....

- A-Alt+Ctrl+Del      b-Alt+Del+Shif      c-Alt+Del+Tab      d-Del+Tab+Shift

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## **Lesson 7: Collecting, analyzing and graphing data**

### **2-Complete:-**

**1-.....it is considered one of the digital sources for data collection**

**2-The last stage after analyzing the data is .....**

**3-The graph is the most used as it displays different categories of information .....**

**4- Non –numerical sources that are relied upon to collect data, are.....**

**5-The objective of the data analysis process is to be more accurate to obtain.....**

## Lesson 8: Reporting Findings

### 1-Complete the following statements:-

- 1-Through which information is presented and guests who specialize in a particular topic are interviewed, which is.....
- 2-It is considered as a diary or a page to share personal opinions, and one individual is responsible for it, which is.....
- 3-It is.....the means that helps to share different opinions, and helps to exchange information
- 4-A way of communicating through different places by sound and image, is .....

### 2-Put (√) or (×):-

- 1-All information in social media is considered reliable (    )
- 2-The owner of the blog is the only person responsible for the information inside it (    )
- 3-An email can be sent without the addressee (    )
- 4-Text messages are quick solutions to deliver quick information (    )
- 5-The graph is a clear way to display comparisons between the different results (    )



## **Them 2**

### **Digital Safety and security Precautions**



## Lesson 1: Explorer in action

### 1-Put (✓) or (×):-

- 1-All websites on the internet are trusted (       )
- 2-Choosing accurate words help us to search accurately on the internet (    )
- 3-One source of information is sufficient to from (       )

### 1-Complete the following statements:-

- 1-The internet is important because it helps in getting.....
- 2-One of the problems of searching on the internet  
.....access to the source of information on some websites
- 3-friend can use.....as a way to communicate between them.



## **Lesson 2: online dangers and how to be safe**

**1-choose the correct answer from the following option:-**

**1-your friend sent you an email with a file attached. You must**

**A-Open the message and download the file b-clear the message**

**C-Contact and confirm if he is the one who sent it**

**D-Blocking the author of the message**

**2-you made presentation using information from a well – known site, you must**

**A-Put the source of the information into the presentation**

**B-Submitting the offer without mentioning the source**

**C-Not to use information other than your own**

**D-Taking information from unreliable sources**

**3-.....is considered personal information**

**A-Nick name**

**b-Video**

**c-Age**

**d-Address**

**4-Clicking on unknown links causes.....**

**A-There is important information b-Nothing**

**C-Viruses downloaded to your device by mistake d-Device shutdown**

### **Lesson 3: Using ICT tools in a healthy and ethical way**

#### **1-Put (√) or (×):-**

- 1-A colleague of yours using information from an article in his project and documenting the source is correct (    )**
- 2-Some of the banned websites are characterized by publishing accurate information and ethical and useful materials (    )**
- 3-One of the advantages of ICT is that it helps people of determination (    )**
- 4-Technology means may be harmful in terms of transmitting false information (    )**
- 5-The sites on the internet are more trustworthy, on matter what or the internet search is characterized by the speed in finding the information (    )**

#### **2-choose the correct answer from the following option:-**

**1-The content of the information published on the internet must be:**

**A-Harmful      b-Vague      c-reliable      d-completely new**

**2-Spending a lot of time using technology leads to.....**

**A-Happiness      b-laziness      c-activity      d-rest**



## Lesson 4: How to search online

### 1-Put (✓) or (×):-

- 1-To get the best results when searching, only two or three words can suffice (     )
- 2-you can use the image instead of the words in the search process (     )
- 3-we can avoid unwanted results by using the (+) symbol (     )
- 4-you can add the (+) symbol before the word you want to include in your search results (     )
- 5-Use the (+) sign to get fewer and more accurate search results (     )

### 2-choose the correct answer from the following option:-

- 1-If you are looking for a specific sentence, put this sentence

- |                             |                         |
|-----------------------------|-------------------------|
| A-within quotation marks "" | b-before the symbol (-) |
| c-within brackets ( )       | d-after the (+) symbol  |

- 2-The code that ensures that the search includes the words or letters you want in your search is

- |        |        |       |           |
|--------|--------|-------|-----------|
| A- (+) | b- " " | c-(-) | d-(     ) |
|--------|--------|-------|-----------|

- 3-Users rely on searching through the internet

- |  |            |
|--|------------|
| A-Search engines dedicated to children |            |
| B-Website rendering software           |            |
| C- Word processing program             | d-Browsers |

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b-before the symbol (-)

c-within brackets ( )

d-after the (+) symbol

2-The code that ensures that the search includes the words or letters you want in your search is

A- (+)

b- " "

c-(-)

d-(     )

3-Users rely on searching through the internet

A-Search engines dedicated to children

B-Website rendering software

C- Word processing program

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## Lesson 5: How to check whether information online is true

### 1-Put (✓) or (×):-

1-The information in all electronic sources can be relied upon:

Because it is a lot of innumerable information (    )

2-"Wiki" is considered an unreliable source (    )

3-edu link. It is run by non-profit organization (    )

### 2-Match:-

A-Egyptian organization

☐

gov.eg

B-commercial sites

☐

Org.eg

C-governmental sites

☐

Edu.eg

D-educational sites

☐

Com

## Lesson 6: who can help you with online problems?

### 1-Put (✓) or (×):-

- 1-Communicating with people unknown to you may expose you to bullying ( )
- 2-If you receive a message containing obscene texts, you must send it to your friends ( )
- 3-Bullying has a psychological effect and sometimes patients have the bully ( )
- 4-Identity theft of celebrities only is one of the problems of the internet ( )
- 5-It is not permissible to add unknown people to your friends list in social networking sites ( )

### 2-choose the correct answer from the following option:-

1-you saw a post by your colleague that offends you on a topic, what should you do

- |                  |                                      |
|------------------|--------------------------------------|
| A-Do not comment | b-Bully his opinion                  |
| c-Block him      | d-Report to the relevant authorities |

2-your personal picture was found on the internet on an account that you have no relationship with and with a different name than your name .this is considered

- |  |                                |
|--|--------------------------------|
| A-Bullying                             | b-withholding your information |
| c-An opportunity to increase your fame | d-stealing your identity       |

## Lesson 7: My personal digital safety plan

### 1-Put (✓) or (x):-

- 1-To remember your password, you can use your name or any personal information (     )
- 2-To ensure that your device is protected from viruses, you should choose complex software to use (     )
- 3-Choosing different passwords for your accounts on the websites will keep you safe on the internet (     )
- 4-your colleague sharing their password with you is correct (     )
- 5-The aim of hacking is to disrupt the stability of your device (     )

### 2-choose the correct answer from the following option:-

1-Choosing an easy password may expose you to.....

A-Hacking    b-Both are right    c-Both are wrong    d- Hacking

2-To create a strong password: it must not consist of less than letters

A-three                      b-six                                      c-nine                                      d-eight

3-it is used to log in to your personal account

A-Virus                      b-hack                                      c-password                                      d-Hacking

4-It destroys your device

A-Virus                      b-hack                                      c-password                                      d-Hacking

5-Accessing someone else's account without permission

A-Virus                      b-hack                                      c-password                                      d-Hacking



## Lesson 8: Practicing what you have learned

### 1-Put (✓) or (×):-

1-To create a video, you need a device with a camera and built-in microphone (     )

2-Writing in a thin line on advertising posters helps to read information from a distance (     )

3-PowerPoint is a software owned by Google (     )

4-Determining the target audience is important to determine the contents of any presentation and videos can be added in the advertising posters (     )

5-Researchers need to conduct interviews to gather more information in their research (     )

6-Adding sound effects to the presentation add fun to the viewers (     )

7-Posters are used as a means of advertising (     )

### 2-choose the correct answer from the following option:-

1-You can conduct interviews with others and add them to your profile

A-Video     b-Poster     c-Presentation     d-Microphone

2-It is used to create videos

A-Mouse     b- Presentation     c-Mobile phone     d-Advertising poster